

PUSL2024 Software Engineering 2

Coursework 2022-2023

ABC Cinema – Group 05

Group 05

Members

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Navindu Lakshan	10818465	23209
Wishmi Hiranya	10820855	22017
Pasindu Rathnathilake	10819567	23430
Aruni Nethmini	10818799	23556
Dumindu Athukorala	10819477	22952
Hashini Herath	10818803	23518

Contribution

Name	Contribution
Navindu Lakshan	<ul style="list-style-type: none">• Email generating function• PayPal Sandbox Configuration• User feedback receiving• Back-End Development• Database Creating• Finalizing the project, Report Creating
Wishmi Hiranya	<ul style="list-style-type: none">• UI/UX Designing• XD template Designing• Front End development<ul style="list-style-type: none">-homepage-adminlogin page-movie inserting page• Admin Login Configuration
Pasindu Rathnathilake	<ul style="list-style-type: none">• Front-End development<ul style="list-style-type: none">-userdetailsform page-theator map page• Report creating<ul style="list-style-type: none">-Class Diagram
Aruni Nethmini	<ul style="list-style-type: none">• Front end development<ul style="list-style-type: none">-userdetailsform page-theator map page• Report<ul style="list-style-type: none">-use case diagram-class diagram-sequence diagram

Dumindu Athukorala	<ul style="list-style-type: none">• Seating Map Creation• Database Designing• BackEnd Code for the SeatMap• Database Implementation• EER Diagram
Hashini Herath	<ul style="list-style-type: none">• UI/UX designing• XD template Designing• Front End Development<ul style="list-style-type: none">-Now Showing Movies page-coming up movies page-purchase report page• Report creating<ul style="list-style-type: none">-introduction to the Whole Scenario

We all watch movies in theaters. When we plan to watch a movie, maybe with friends, or family, there are some problems we all face. Like we don't know the showtimes, in which theaters that movie is available, reviews and ratings, how much the ticket is, will tickets be available on that day and will there be a long queue. Most of us have a busy lifestyle, because of that we don't have time to Spear to go to the theater only for tickets.

So, we designed an user friendly Online Movie Ticket Booking System. The main objective of this is to manage the details of Movies like movie name, show times, available time etc. So here we have 2 types of people using this. They are admins and users. Users can view movie details and book their tickets. Only admins can add or change movies and details related to movies.

Through our site

users can,

- Find details about theaters (contact info and location)
- Check featured movies
- Read a small introduction about the movie
- Find about show times
- See long it's going to stay in the theater
- Book tickets online

Admins can,

- Log in to the site as admins
- Update movies
- Update movie details
- Manage ticket information
- Manage customer information
- Update availability

There are so many advantages in online ticket booking sites.

Like

- Anyone with a device and internet access can create an account easily
- Easy to find about show times
- Easy to access to users and low traffic because many will use online system
- Can book their tickets anytime

- Easy to book tickets not only for the user but also to their friends or family at once
- Can pay for the tickets online

→The process of online ticket booking is as follows,

- ✓ First you can see both now showing and upcoming movies on the home page.
- ✓ At the bottom of the home page you can add a feedback.
- ✓ when you move to the movies page you can see now showing movie list with a small introduction and the time period it going to available in theaters.
- ✓ Then you have to click on the “BUY TICKET”. Then you will direct to a page where you can insert your details which are your name, email, movie name, theater, time, date and your NIC number for booking.
- ✓ After filling the above details click on the submit button.
- ✓ There you can select how many full tickets and half tickets you want. You can see the ticket price also. And your seat location.
- ✓ After selecting the seats, you can see your details about booking. Which includes your name, email, date, theater, show time, number of full and half tickets and total amount you need to pay.
- ✓ After clicking on “CONTINUE” you can pay using your PayPal account or Visa or Mastercard.
- ✓ Then you’ll get an email saying that your payment is successful and all the other details regarding your booking

```

    usecaseDiagram
        usecase UC1[Validate password]
        usecase UC2[Update profile]
        usecase UC3[Update database]
        usecase UC4[Login]
        usecase UC5[booking data]
        usecase UC6[Customer feedback]
        usecase UC7[Avoiding booking Collisions]
        usecase UC8[Choose seat]
        usecase UC9[Choose movie]
        usecase UC10[Choose theater]
        usecase UC11[Choose showtime]
        usecase UC12[Choose date and time]
        usecase UC13[Cancel ticket]
        usecase UC14[Send email]
        usecase UC15[Payment method]
        usecase UC16[Select ticket quantity]
        usecase UC17[Select ticket type]
        usecase UC18[Choose booking]
        usecase UC19[Choose showtime]
        usecase UC20[Add show]
        usecase UC21[Add movie]
        usecase UC22[update]
        usecase UC23[delete]
        usecase UC24[add]
        usecase UC25[Effect to database]
        usecase UC26[Insert new information]
        usecase UC27[Validate the information]
        usecase UC28[Cancel customer booking]
        usecase UC29[Removes movies]

        UC1 --> UC4 : <<uses>>
        UC2 --> UC4 : <<uses>>
        UC2 --> UC5 : <<uses>>
        UC3 --> UC5 : <<uses>>
        UC4 --> UC5 : <<uses>>
        UC5 --> UC6 : <<uses>>
        UC5 --> UC7 : <<uses>>
        UC5 --> UC8 : <<uses>>
        UC5 --> UC9 : <<uses>>
        UC5 --> UC10 : <<uses>>
        UC5 --> UC11 : <<uses>>
        UC5 --> UC12 : <<uses>>
        UC5 --> UC13 : <<uses>>
        UC5 --> UC14 : <<uses>>
        UC5 --> UC15 : <<uses>>
        UC5 --> UC16 : <<uses>>
        UC5 --> UC17 : <<uses>>
        UC8 --> UC11 : <<extends>>
        UC9 --> UC11 : <<extends>>
        UC10 --> UC11 : <<extends>>
        UC12 --> UC11 : <<extends>>
        UC11 --> UC18 : <<extends>>
        UC11 --> UC19 : <<extends>>
        UC18 --> UC20 : <<extends>>
        UC18 --> UC21 : <<extends>>
        UC19 --> UC20 : <<extends>>
        UC19 --> UC21 : <<extends>>
        UC20 --> UC22 : <<extends>>
        UC21 --> UC22 : <<extends>>
        UC22 --> UC23 : <<extends>>
        UC22 --> UC24 : <<extends>>
        UC23 --> UC24 : <<extends>>
        UC24 --> UC25 : <<uses>>
        UC25 --> UC26 : <<uses>>
        UC25 --> UC27 : <<uses>>
        UC25 --> UC28 : <<uses>>
        UC25 --> UC29 : <<uses>>
        UC26 --> UC25 : <<uses>>
        UC27 --> UC25 : <<uses>>
        UC28 --> UC25 : <<uses>>
        UC29 --> UC25 : <<uses>>
    
```



User

```
<<inherits>>
```



Manager

The notation of Use Case



Actor

The users of the system



Use Case

The use case of the system



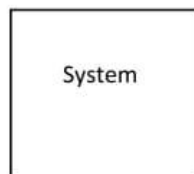
The include relationship between two use cases



The extend relationship between two use cases



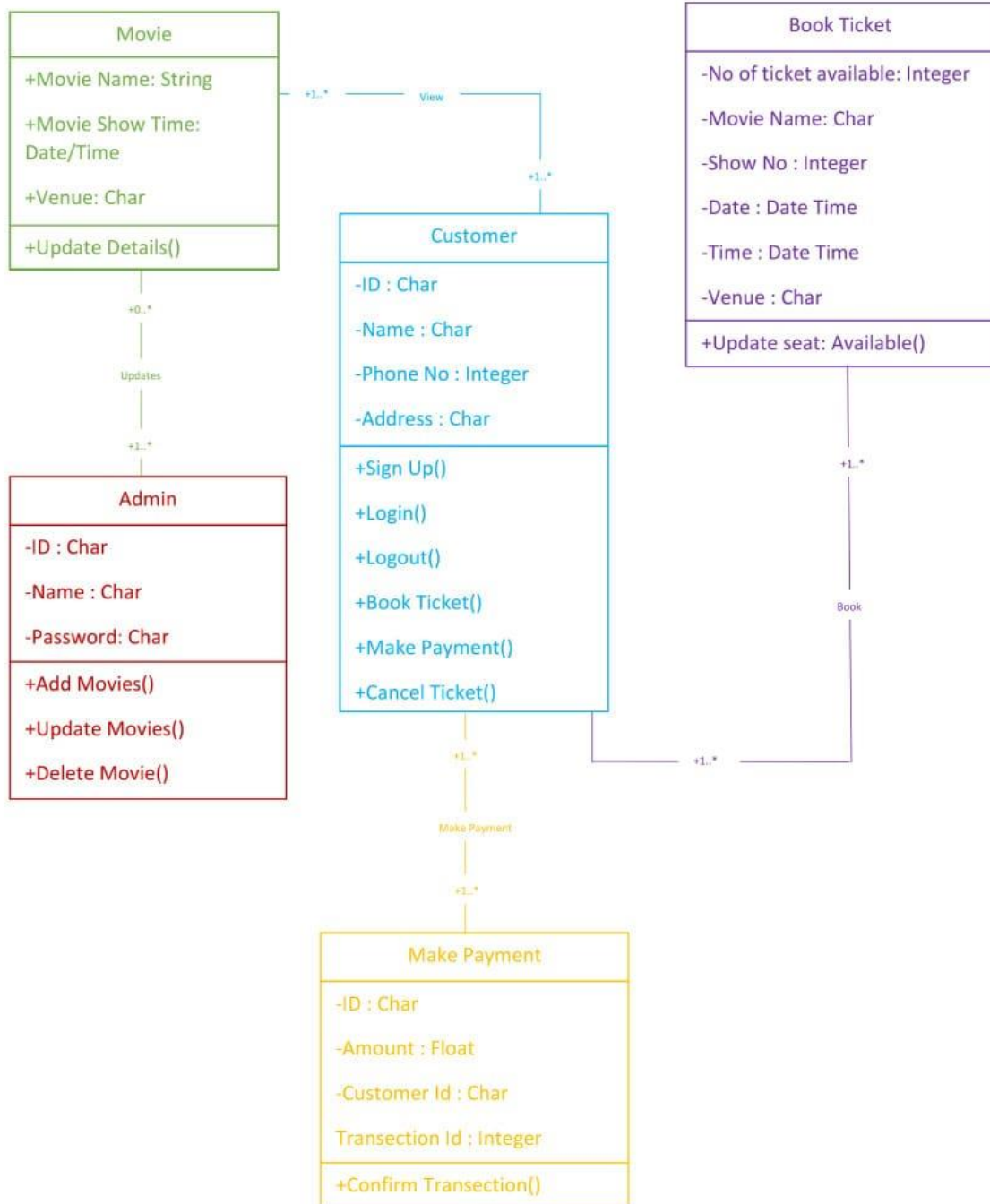
The extend relationship between two use cases



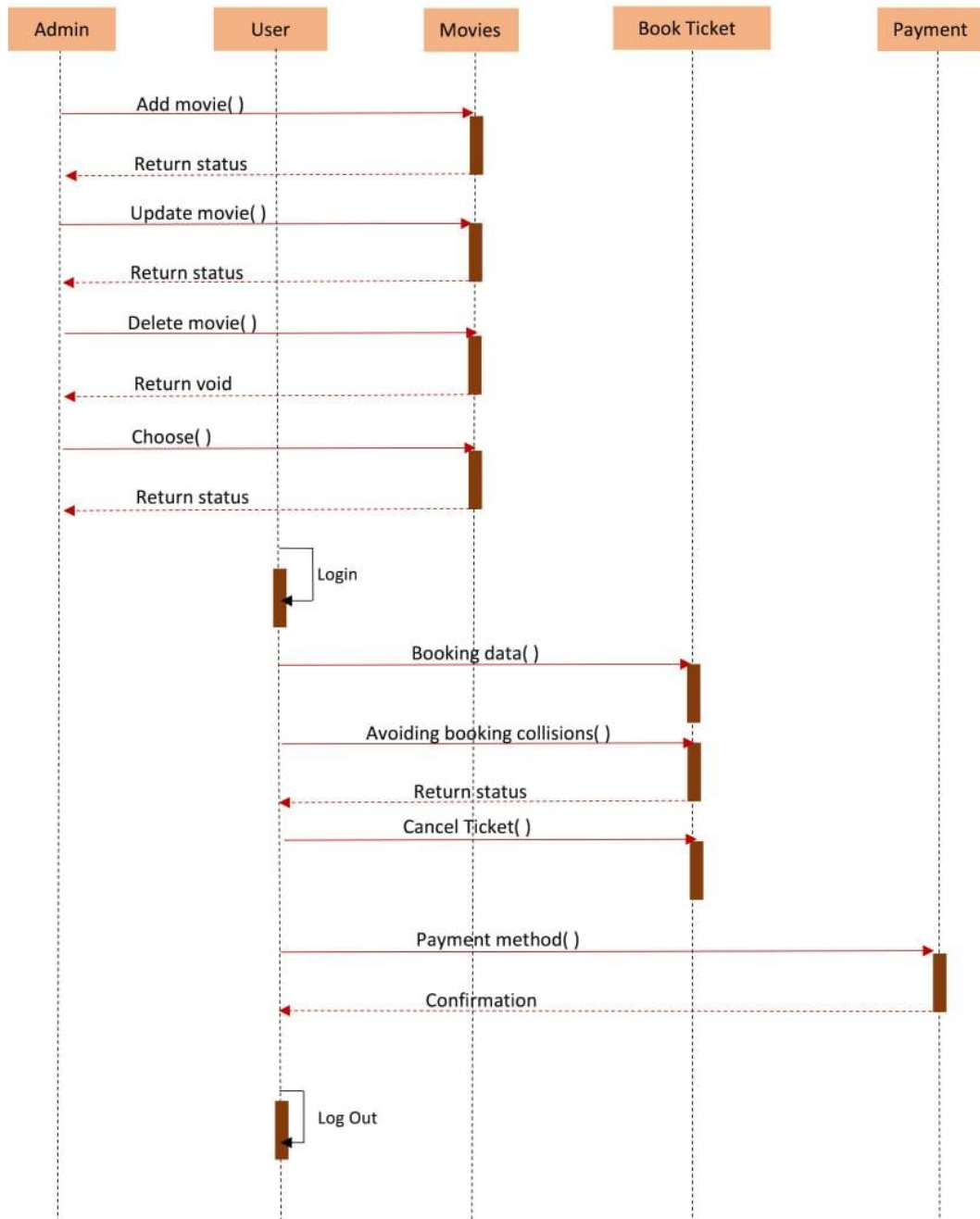
System

Boundary of System

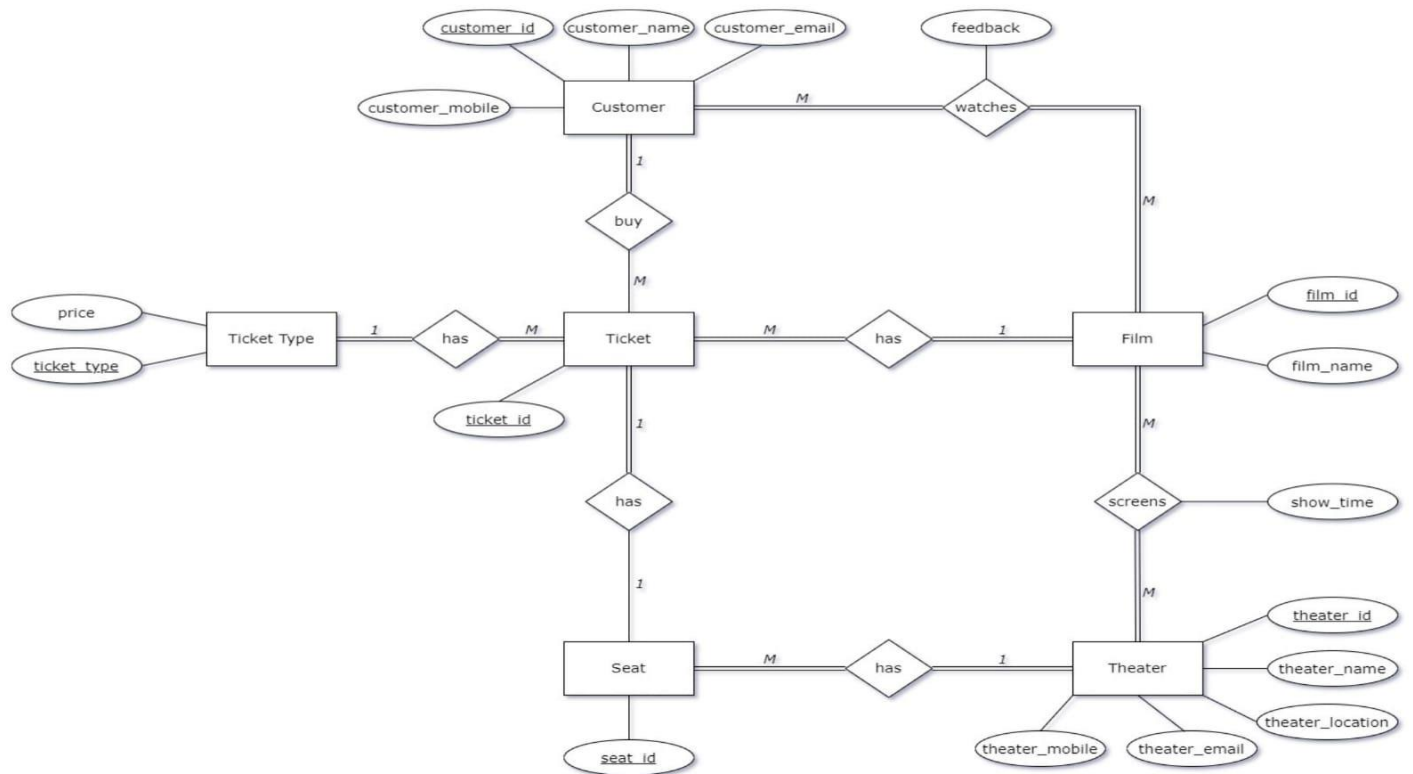
Class Diagram



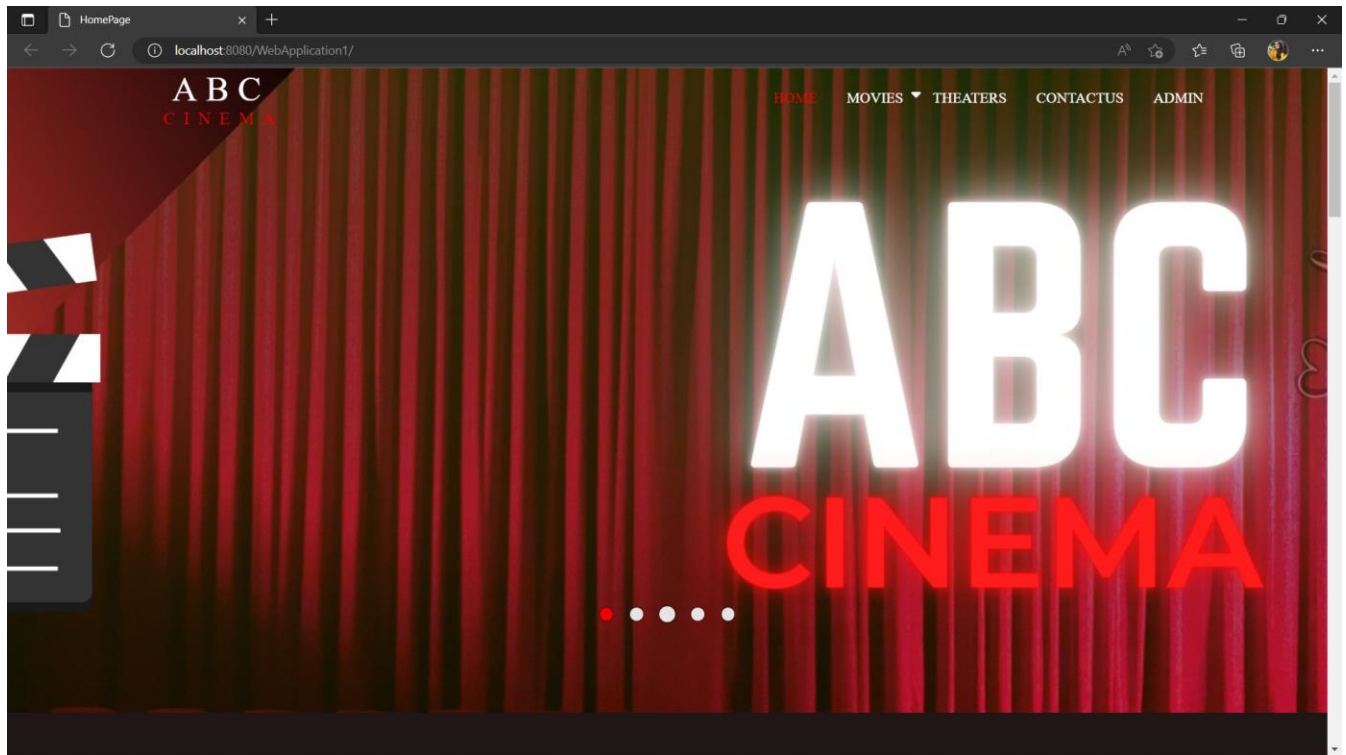
Sequence Diagram

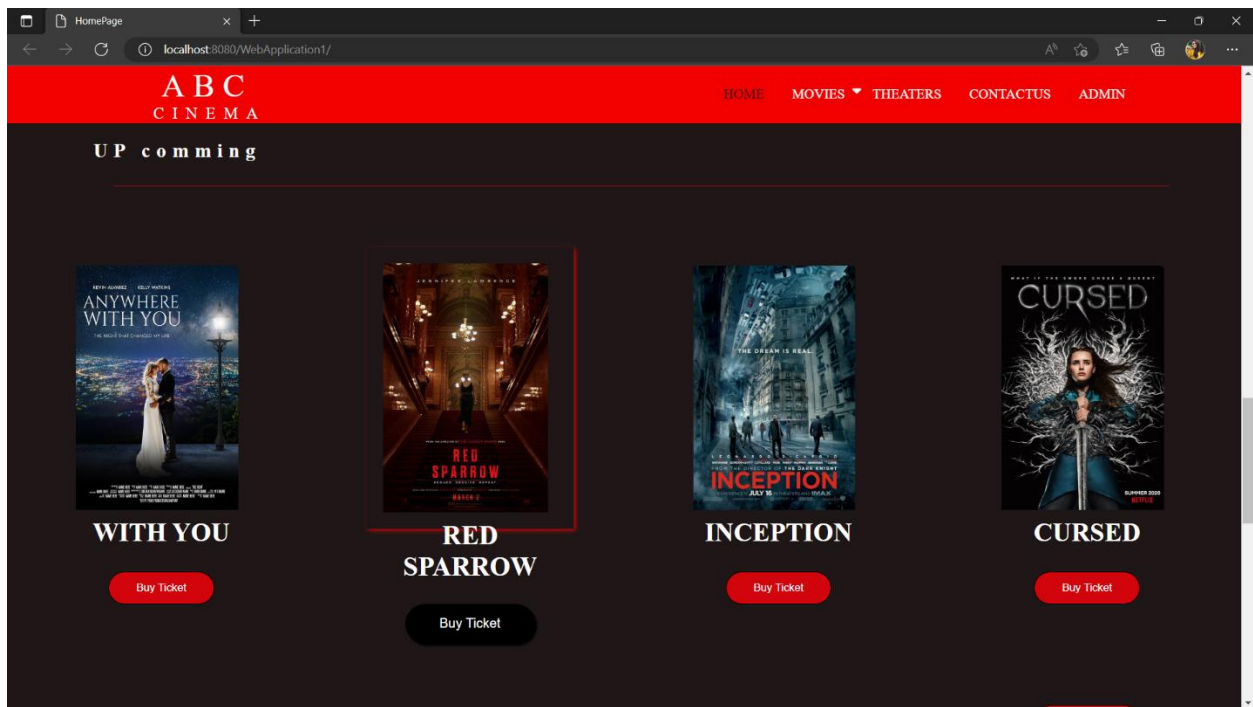
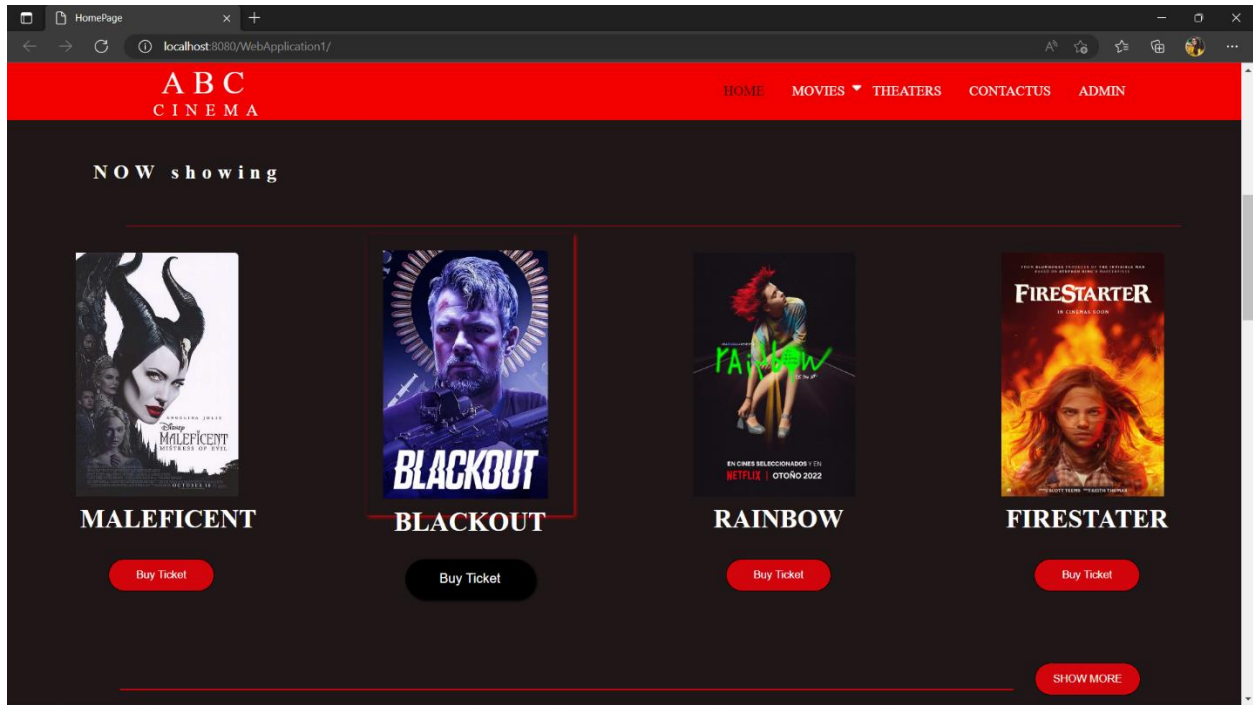


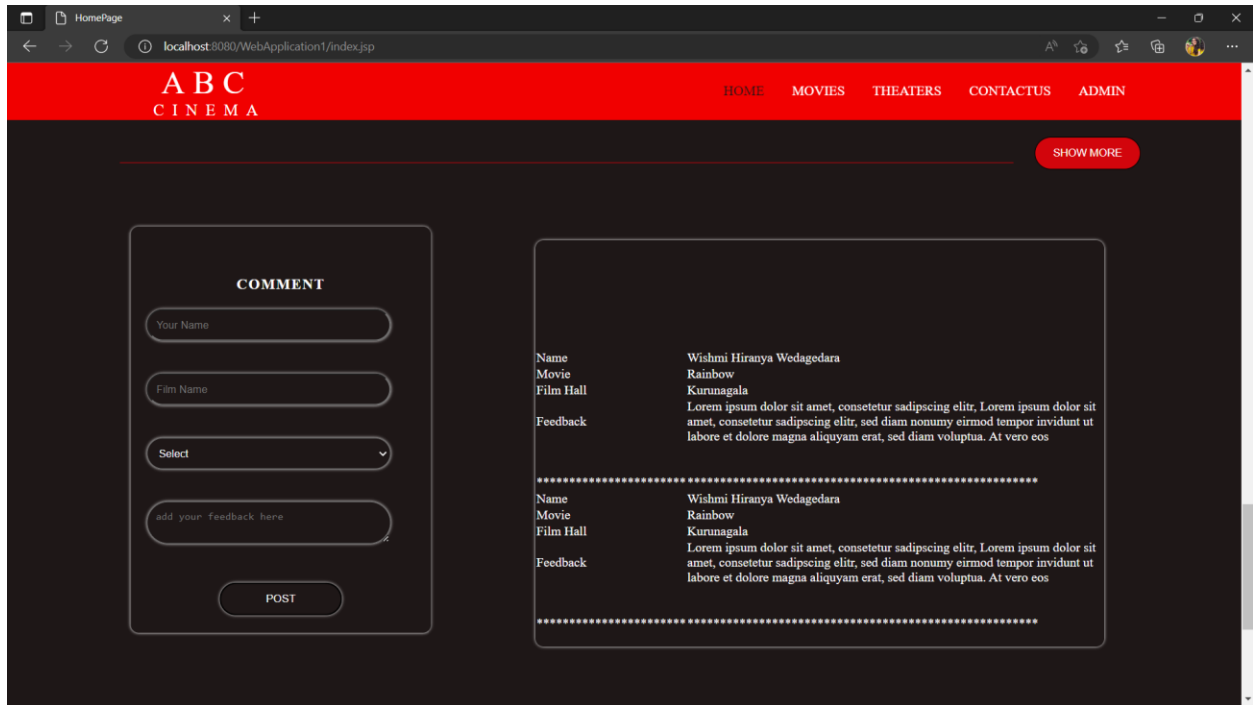
EER Diagram



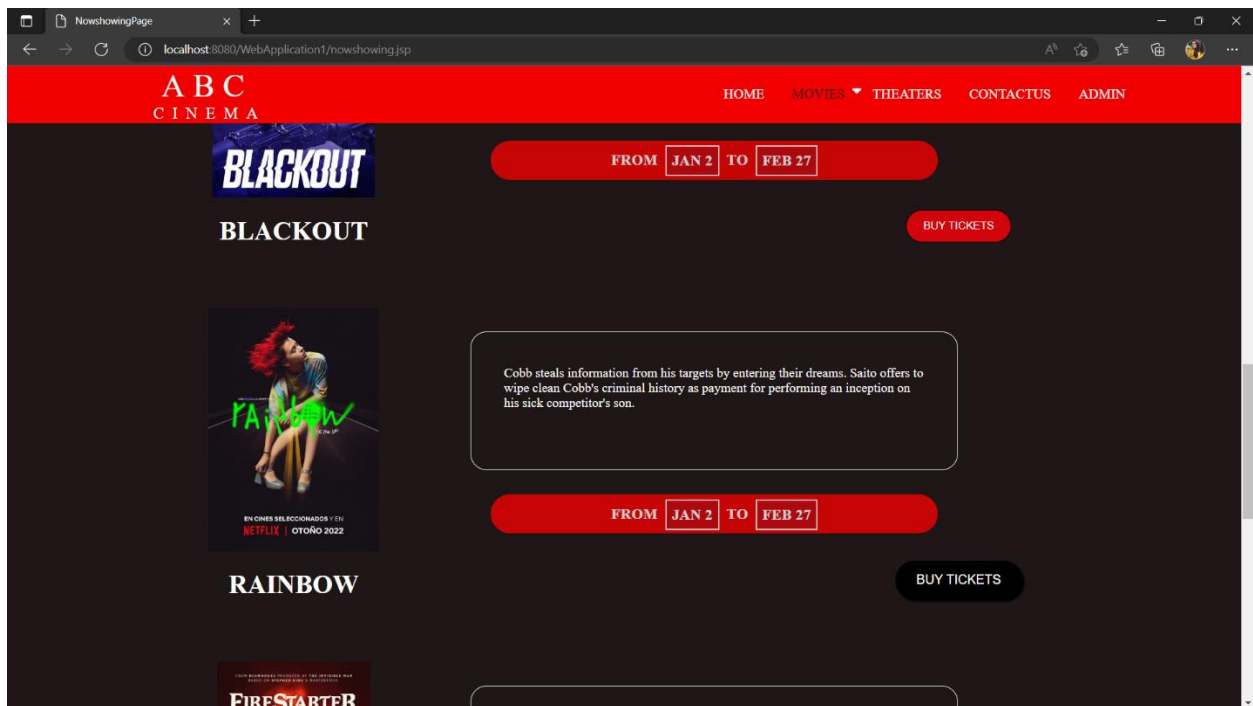
Screenshots of the system

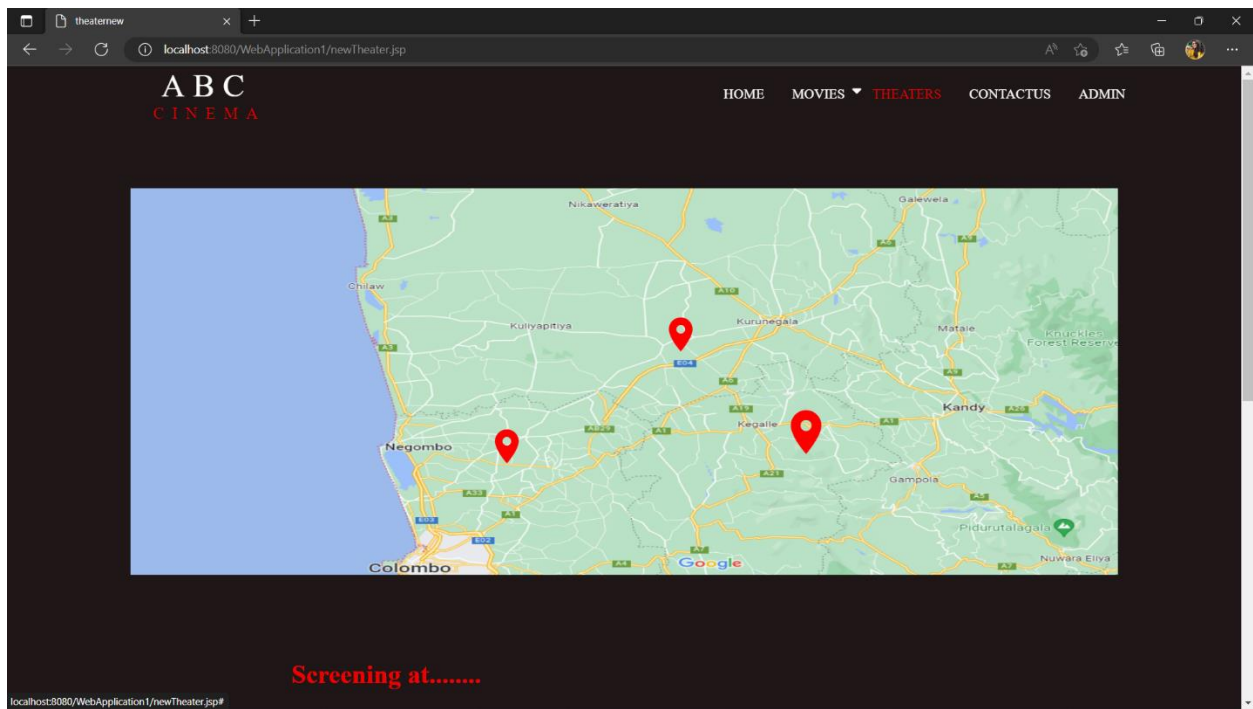
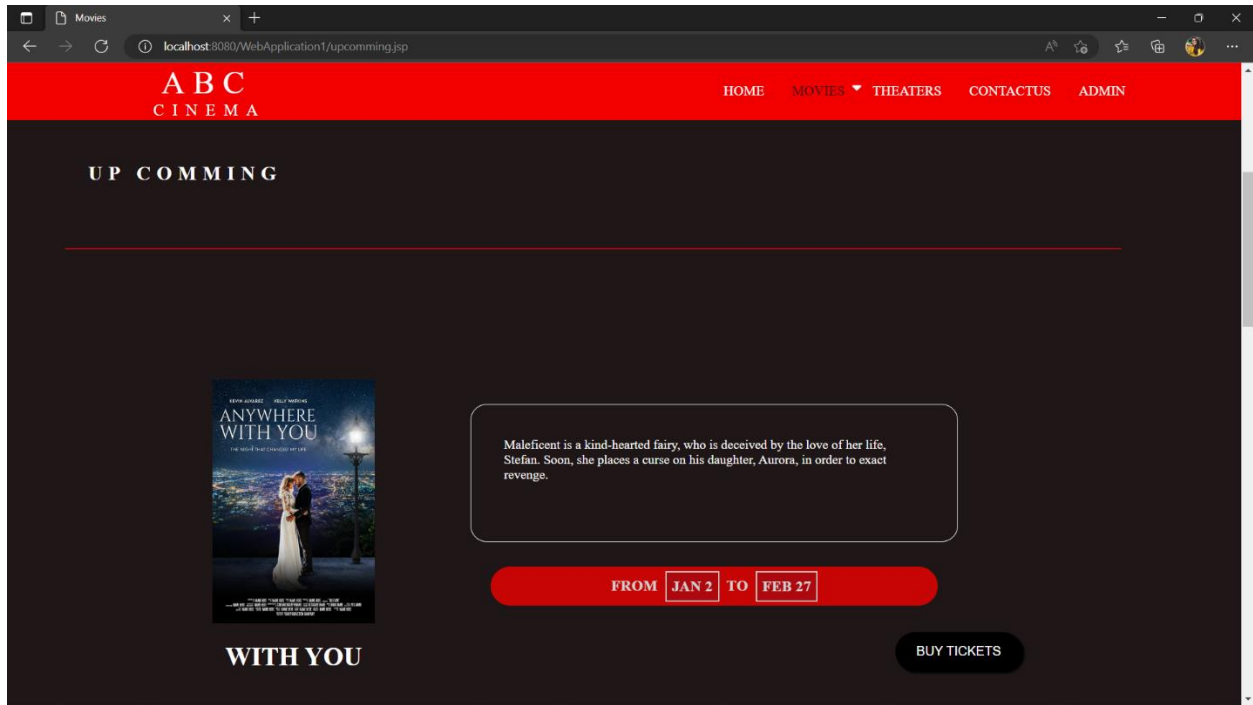


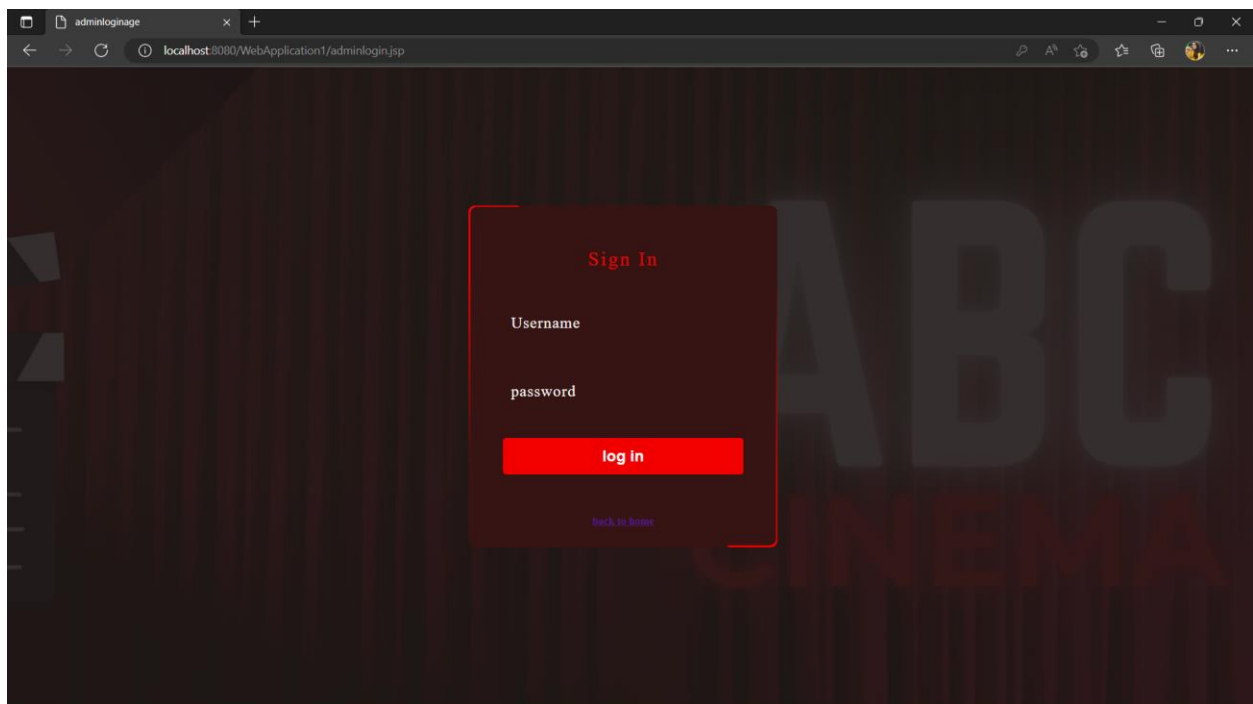
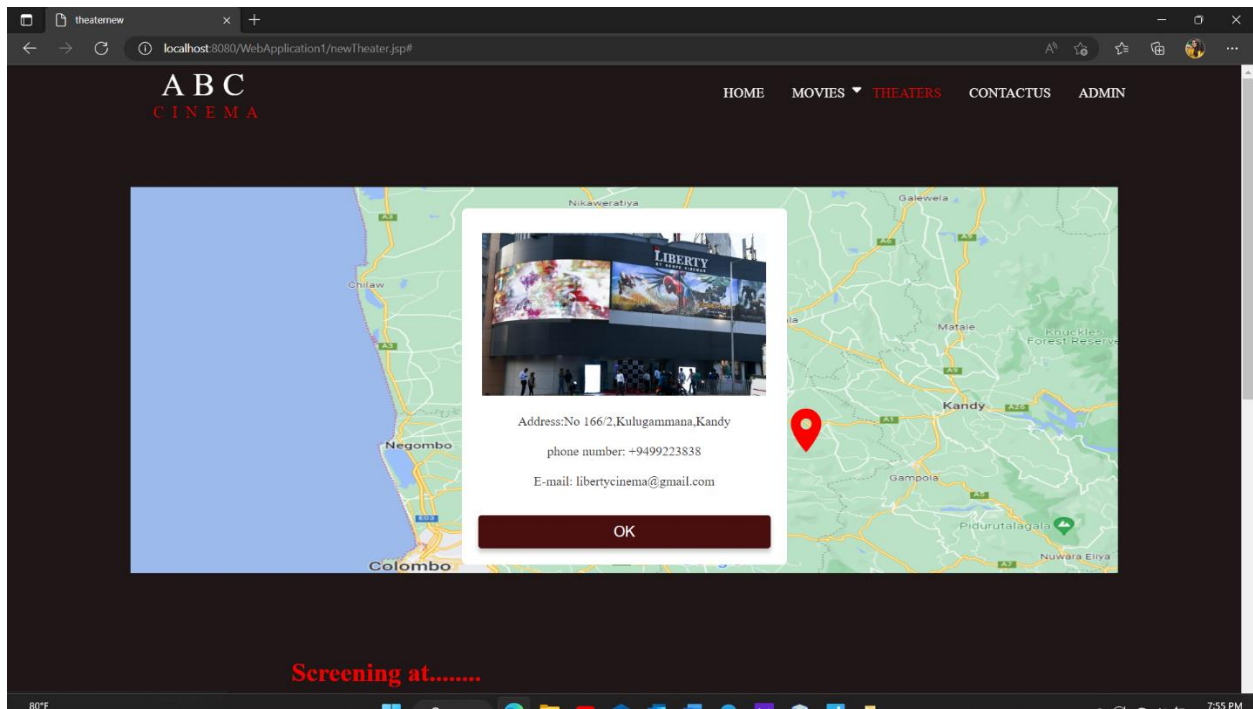




In above page users can add their feedback which will be displayed in the bottom of the homepage







Admin Can log in and update movies and see reports

adminpage x +
localhost:8080/WebApplication1/adminpage.jsp

UPDATE MOVIE DETAILS

☐ UP-COMMING ☐ NOW-SHOWING

Movie name

Movie description

Movie image

From

To

☐ SLOT 1 ☐ SLOT 2
☐ SLOT 3 ☐ SLOT 4

Admin will be able to update the movies according to their preference

form x +
localhost:8080/WebApplication1/buyform.jsp

ABC CINEMA

HOME MOVIES THEATERS CONTACTUS ADMIN

BUY TICCEKTS NOW

Movie

Theater

Time

Date

ID Number

Seating

Number of Tickets

For

Seat numbers

To

Buy Tickets

localhost:8080/WebApplication1/sheetbokking.jsp

ABC CINEMA

HOME MOVIES THEATERS CONTACTUS ADMIN

Avatar The Way of Water (3D)

Savoy Metro Gampaha , Gampaha

No.Of Full Tickets

0

No.Of Kid Tickets

0

Total No.Of Tickets

0

Show Times

10:30 AM

12:30 PM

4:30 PM

7:30 PM

December 28th Wednesday, 2022

Full Ticket Price = Rs.450.00

Kid Ticket Price = Rs.250.00

Theater Screen

H	H1	H2	H3	H4	H5	H6	H7		H8	H9	H10	H11	H12	H13	H14
G	G1	G2	G3	G4	G5	G6	G7		G8	G9	G10	G11	G12		
F	F1	F2	F3	F4	F5	F6	F7		F8	F9	F10	F11	F12	F13	F14
E	E1	E2	E3	E4	E5	E6	E7		E8	E9	E10	E11	E12		
D	D1	D2	D3	D4	D5	D6	D7		D8	D9	D10	D11	D12	D13	D14
C	C1	C2	C3	C4	C5	C6	C7		C8	C9	C10	C11	C12		
B	B1	B2	B3	B4	B5	B6	B7		B8	B9	B10	B11	B12	B13	B14
A	A1	A2	A3	A4	A5	A6	A7		A8	A9	A10	A11	A12		

Receipt

localhost:8080/WebApplication1/rectip.jsp

ABC CINEMA

USER NAME :

Username

E-MAIL :

user5@gmail.com

DATE :

2023-01-23

THEATER :

Nugegoda

SHOE-TIME :

01.15 P.M

NO. OF FULL TICKETS :

2

NO. OF HALF TICKETS :

2

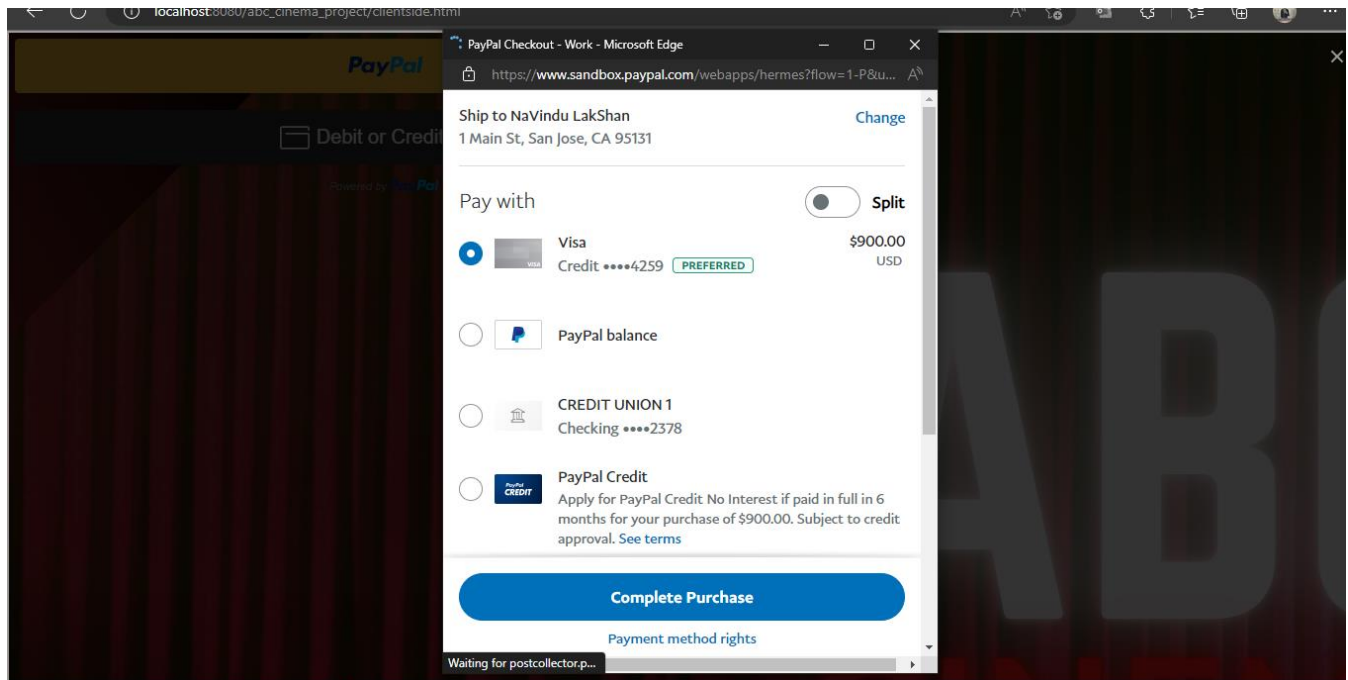
TOTAL :

Rs.1040.00

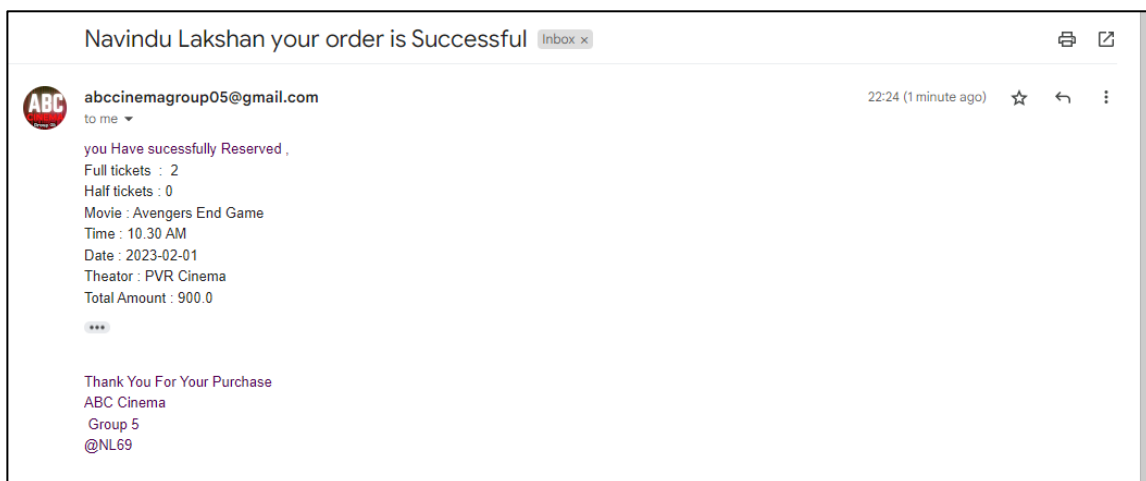
CANCEL

CONTINUE

After filling those form user will be directed to paypal Sandbox Account checkout page there we have created a APP for our project from a paypal Sandbox business account and will to the payment using paypal Sandbox Personal Account



And After a Successful Payment Userwill Receive a email to the Provided Address



Ticket Reservation Report									
Name	NIC	Email	Movie	Theator	Date	Time	Full Tickets	Half Tickets	
Navindu Lakshan	200007503926	navindulakshan99@gmail.com	American Pie	Event Cinemas	2023-01-24	10.30 AM	3	3	
Hiruniiiiiii	515455484	umeshishan25@gmail.com	Thor Love and Thunder	PVR Cinema	2000-09-22	10.30 AM	2	0	
Hiruniiiiiii	515455484	umeshishan25@gmail.com	Thor Love and Thunder	PVR Cinema	2000-09-22	10.30 AM	2	0	
Dumindu	515455484	hashiniherath5@icloud.com	Avengers End Game	Event Cinemas	2000-11-22	10.30 AM	2	0	
Dumindu	515455484	hashiniherath5@icloud.com	Avengers End Game	Event Cinemas	2000-11-22	10.30 AM	2	0	
Hashini	515455484	duminduathukorala123@gmail.com	Avengers End Game	Event Cinemas	2000-11-22	10.30 AM	2	0	
Aruni	515455484	ikpirathnathilake@students.nsbm.ac.lk	Avengers End Game	Event Cinemas	2000-11-22	10.30 AM	2	3	
Aruni	515455484	ikpirathnathilake@students.nsbm.ac.lk	Avengers End Game	Event Cinemas	2000-11-22	10.30 AM	2	3	
Hashini Herath	515455484	hnmhtherath@students.nsbm.ac.lk	American Pie	Savoy-3D	2000-12-04	2.30 PM	2	2	
Hashini Herath	515455484	mmapnethmini@students.nsbm.ac.lk	American Pie	Savoy-3D	2000-12-04	2.30 PM	3	0	
Dumindu	515455484	hnmhtherath@students.nsbm.ac.lk	American Pie	Savoy-3D	2000-12-04	2.30 PM	6	5	
Sandamini Whitelock	515455484	pabasaramadhumalji@gmail.com	American Pie	Savoy-3D	2000-12-04	2.30 PM	2	0	
Navindu Lakshan	1351321315	navindulakshan99@gmail.com	Morbius	PVR Cinema	2023-01-31	2.30 PM	3	0	
Dumindu	3242	hnmhtherath@students.nsbm.ac.lk	Avengers End Game	PVR Cinema	2023-02-01	10.30 AM	4	0	

References

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[What Is the HTML Select Element? \[+ How to Make One\] \(hubspot.com\)](https://www.hubspot.com/html-select-element)



